

Questions and Answers to #22-SCADA/UTL-55 SCADA for Electric Substations

1. Given the extension included in Amendment 1, is the deadline for questions extended as well? - **Yes**
2. Can you please confirm that the time zone indicated for deadlines is Central Time zone? - **Yes**
3. Regarding the printed hardcopies, can you please clarify what is meant by "original hardcopy"? Are you looking for 1 original version (wet/ink signatures) and 5 additional copies (digital signatures)? - **1 original, 5 color copies, no digital signatures**
4. Regarding the number of customer references to be provided, can you please confirm the number of references firms are required to provide? (page 9 of 125 states 5 references, and page 5 of 125 states 3) - **5 references will be required**
5. Can you please confirm if firms are to include a list of current projects (ie: workload) and which section of the submission we are to include this information? Page 8 of 125, the scorecard factors list the following as scored criteria: "Current Workload • Number and size of projects **currently under contract** must be considered in relation to available staff" and "Compatibility (firm size versus project size) This must be evaluated concurrently with the **firm's current workload.**" however, per page 5 of 125 1.5 RFP Organization, firms are not required to provide a list of current projects. - **Yes, include current workload and availability of qualified personnel to staff the project**
6. Regarding project references, are firms allowed to include projects that are currently ongoing? **If ongoing projects are included, they must be more than 50% completed to be allowed as references**
7. Please clarify that the support piece will be separate from the firm-fixed lump sum price. **Reference page 46, Section 10.6 Service and Support** "These support programs shall be listed as separate line items so it is clear to TPCG Utilities what each option costs." **Is this what you are referring to?**
8. Can you please clarify what team members constitute as key personnel? **Project Manager, Lead Engineers, Lead Technical personnel**
9. Can you please expound on what your selection criteria, experience expectations and experience level are for key personnel? **Key Personnel shall have a minimum of 5 years' experience performing assigned asks on similar projects, have training or work experience to show that they are proficient in the area they will be supporting/working**

NUMBER SECTION / QUESTION**RESPONSE**

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Page 4 of 125 section 1.2 para.2 1 Can you provide database size for each Substation (telemetry and pseudo points)? 2 How many screens and what type the supplier should be creating? 3 Is the supplier required to develop 100% database and displays?	There are approximately 550 IO points per substation, and there are 11 substations included in this system The Contractor shall determine the number of screens necessary to meet the requirements of the RFP. Reference Page 14 of 125, Section 3.3 for System Requirements Yes
Page 4 of 125 section 1.2 para.3 4 What the other servers the new SCADA will interface with/to?	The existing servers are Dell Poweredge T320
Page 13 of 125 section 3.1 5 Rack mount or desktop type servers? 6 Can you confirm 4 monitors are needed for each server?	Rack mounted Reference Page 13, Section 3.1, first bullet "Both Master Stations shall have consoles consisting of four (4) monitors and has the capability to be expanded"
Page 14 of 125 section 3.2 7 Can you provide the specifications to cost accordingly? 8 Do you need monitors? How many and what size?	Provide a workstation that meets the minimum requirements and functionality required to support the new system Reference Page 13, Section 3.1, first bullet "Both Master Stations shall have consoles consisting of four (4) monitors and has the capability to be expanded." Do you have a preference for monitor size - 24 inches
Page 16 of 125 section 4.1 9 Can Newport take exception and allow Windows OS Server	No, OS must be Linux
Page 32 of 125 section 6.1 10 How many users will need to access the SCADA via web browser? 11 Who is responsible in providing the web browser server hardware and OS?	100 All hardware required for this project is to be provided by the Vendor
Page 45 of 125 section 4.1 12 Confirm DNP3 is to be used to communicate with exiting RTACs and IEDS. 13 Can you provide total RTACs RTUs/IEDs supplier is required to communicate with during SAT	This should be section 10.4 - what is this information needed for?
Page 53 of 125 section 4.1 14 Section referenced Bid Form, is it the attachment E on page 125	Attachment E - Bid Form
Page 68 of 125 Article 5 15 Confirm Bid Bond is not required, only performance and payment Bonds	Confirmed
Page 84 of 125 section 6.13 16 Is Terrebonne Parish tax exempt	Terrebonne Parish is tax exempt
Page 88 of 125 section 6.27 17 Onsite or online meeting? 18 Is there a requirement on how many meetings? Or supplier to recommend	TEAMS or similar format meeting if appropriate. TPCG reserves the right to have on-site meetings if required Meetings will be held weekly during the initial system design phase and will go to bi-weekly as the project advances

**Project Title: TERREBONNE PARISH CONSOLIDATED GOVERNMENT
UTILITIES SUBSTATION MONITORING
SUPERVISORY CONTROL AND DATA ACQUISITION SYSTEM
PRE-BID RFI QUESTIONS AND ANSWERS
10/28/22**

No.	Location/Pg. #/ Sect. #	Question	Response
1	Amendment 2	Please confirm TPCG will respond to RFI questions as they are received and not wait until Nov. 15th to provide all answers.	Responses will be issued as quickly as possible after being received and addressed.
2	Amendment 1	Since responses to the questions will not be posted until Nov. 15th, firms will have less than two weeks (with the thanksgiving holiday in between) to update and finalize submissions that also need to be printed and shipped. Contractor is requesting a 2-week extension to properly prepare a submission given the small window after questions would be answered.	Responses will be issued as quickly as possible after being received and addressed.
3		Please provide drawings of existing devices and infrastructure required to be integrated into the SCADA system, including one-lines.	Drawings do not exist
4		Please confirm there is no requirement to provide a distribution monitoring system on this project.	Confirmed
5	1.2	Please confirm the SCADA system will only need to interface to RTAC controllers for gathering data to be monitored and controlled within SCADA.	The RTAC controllers are connected to an existing network and the network is interfaced to the server. All information is accessible from the server. SCADA System will be interfaced to the server.
6	1.2	Please confirm the RTAC's are fully programmed and do not require any modification to pass data onto the SCADA system.	Confirmed
7	1.2	Please indicate if the new proposed SCADA system will indeed replace an existing system or will be new. If replacing, what is the existing SCADA system that is to be replaced?	The SCADA System that this RFP references is a new system.
8		Will a third party commissioning agent be provided by the customer?	Reference Page 10 of 125, Sections 2.1 d. and 2.2 d. the Vendor/Contractor shall provide commissioning personnel
9		Please confirm all field equipment to be integrated into the new SCADA system is existing and contractor does not need to provide any end point field devices.	Confirmed
10		Please confirm that the Contractor is not responsible for providing any cybersecurity personnel or deliverables or conducting any cybersecurity activities on this project, to include, but not limited to: scans, patching, operations, maintenance, and RMF.	Confirmed
11	2.2e	Please provide detailed drawings of "TPCG utilities equipment racking"	Drawings do not exist
12	3.2	Please provide specifications for the operator workstations.	Provide a workstation that meets the minimum requirements and functionality required to support the new system
13		How many approximate devices and IO points per substation need to be monitored?	There are approximately 550 IO points per substation, there are 11 substations included in this system
14		Please consider changing the requirement for hard-copy submittals of the proposal to electronic only. Alternately, please consider electronic submission of documents by the bid date and time with hard copies submitted within three (3) business days afterwards.	Requirements for hard copies and submittal dates will not be changed
15		Is there an existing SCADA system currently in operation? If so, what is the make/version of the existing SCADA system?	Not for this scope
16	3.3	SCADA licensing is largely sized by point in the industry. Please confirm you will not disqualify any vendor that cannot provide an unlimited SCADA point license and an appropriate point count license can be proposed for the customers system (refer to section 3.3 of the RFP document).	Scoring shall be based on adherence to the RFP specifications. Vendor can provide separate pricing for a different SCADA Point Count and TPCG can evaluate to determine if it is a viable option
17		Please confirm this proposal submission will be rated solely per the outline provided in the RFP and pricing is not a factor in the final decision.	Pricing will be a factor in awarding the project
18		Please provide the expected budget range for this project.	Approximately \$250,000
19		Please confirm that the time zone indicated for deadlines is Central Time zone.	Confirmed
20		Please confirm that digital signatures are acceptable for the printed copies.	Ink signatures are required on the copies
21		Please confirm the required number of references is five (5).	Required references have been reduced to three (3)
22		Please confirm that firms do not need to provide current workload.	Current workload is required in able to access the capability of the firm to manage the project and complete it in a timely manner
23		Please confirm ongoing projects are allowed to be included under project references.	On-going projects that are more than 50% complete can be included in the references
24		Can you please clarify what team members constitute key personnel?	Project Manager, Lead Engineers, Lead Technical personnel, Start-Up/Commissioning personnel
25		Can you please provide the specific selection criteria, experience expectations and experience level for key personnel?	Key personnel shall have a minimum of five (5) years experience performing assigned tasks on similar projects, have traininh or work experience to show that they are proficient in the area they will be supporting/working

26		Please confirm the current system sizing needs as measured by Total Points (e.g., Analog, Status, Accumulator, etc.) including telemetered, calculated, and manual points.	Confirmed
27	3.3	Per section 3.3 of the RFP document, please explain the need/use case for 100,000 devices with 100,000 points of each type per device.	The system requirements reflect devices, points, etc. required to ensure that the system will provide full capability for any expansions that may be needed in the future
28		Please explain the need/use case for processing 50,000 changes per second.	The system requirements reflect processing requirements to ensure that the system will provide full capability for any expansions that may be needed in the future
29		Please confirm the current system sizing needs as measured by Total RTUs or IEDs/field devices being scanned directly by the system as well as protocol (e.g., DNP3.0 IP, DNP3.0 Serial, Modbus TCP/IP, etc.).	What is this information needed for?
30		For serial protocols (if any), are redundant communication channels required/available?	Remote alarm annunciation will be over Serial connections and over TCP/IP wide area networks. Redundant communication is not required.
31		Please confirm if new serial communications equipment (e.g., terminal servers, modems) is required for field communication to be provided with the new system (if any).	No additional field equipment is required as part of the SCADA System project
32		Please confirm the current system sizing needs as measured by total quantity of concurrent thin client web users.	Currently 100, system needs to be able to be expanded
33	8	Please provide a complete list of external interfaces using Libre Office, Python calls, Multi-Speak and ICCP (Section 8) if any, required for the proposed system and the associated intended use cases.	None at this time
34	2.4	Please also clarify the external system integration using MultiSpeak Version 5 (Section 2.4). Is MultiSpeak version 4.1 also acceptable?	MultiSpeak Version 5 is required for this project
35	e.g., 2 sec, 4 sec, etc.	Regarding the historical database requirements, please confirm if TPCG requires periodic data archival (e.g., 15 min, 1 hour, etc.) or archival of all data at scan rate (e.g., 2 sec, 4 sec, etc.). If archival at scan rate is required, please confirm: a. Length of online retention (e.g., 2 years) b. Average archival rate (e.g., 4 seconds) c. Average change percentage per scan (e.g., 25% of analogs)	Database quoted for the SCADA System shall provide 5 years of storage on equipment supplied. Vendor shall provide scan times based on 5 year storage.
36	5.5.6	In section 5.5.6, please expand on the requirement for a serial connection for remote alarm annunciation.	What is this information needed for?
37		Please specify the intended initial database and display conversion responsibilities for this project. Also include the quantity of one-line displays to be converted. a. If vendor is responsible for conversions, please confirm if TPCG's database/displays can be provided in a non-proprietary text format (CSV, XML, DXF, etc.).	No database conversions are required for this project. All Substation data that is currently on the existing network and available at the server will need to be configured for this project
38		Please confirm how many TPCG personnel would attend vendor provided admin/maintenance training.	10
39		Regarding the project schedule, please describe any particular expectations or drivers that pertain to key dates/milestones and/or overall project duration.	Project should be completed by Q2, 2023
40		Please clarify third party procurement responsibilities (e.g., Servers, Workstations, Networking equipment, GPS clocks, Cabinets/Racks, Operating Systems, Anti-Virus, 3rd party security tools, etc.)	Vendor shall provide all equipment for this project - currently no third party procurement planned
41		If TPCG intends to provide any equipment, confirm it can be sent to Vendor site for factory staging and testing?	TPCG will not be supplying equipment, see above